

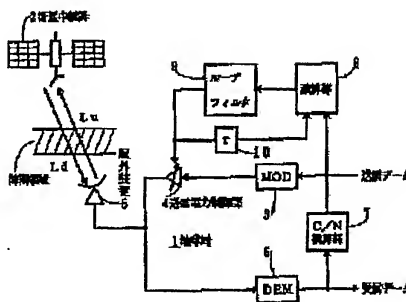
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Abstract of JP5252084

PURPOSE: To attain the stable control of transmission power by controlling an increase rate of transmission power at a succeeding time so that a reception C/N estimated from the increasing rate of transmission power is equal to an actually measured C/N thereby generating control information with a small scale circuit. **CONSTITUTION:** An output of a transmission power control section 4 from a modulator 3 is sent to a satellite repeater 2 via an outdoor equipment 5, the equipment 5 receives its own station signal reflected in the repeater 2 and the signal is demodulated by a demodulator 6. A C/N conversion section 7 calculates the actually measured C/N from the demodulation output, and an arithmetic operation section 8 calculates information used for the control section 4 to control the transmission power at a succeeding time based on an increasing rate X of the transmission power at a current point of time at a fine weather and on the actually measured C/N. The arithmetic operation is implemented by including each of conditions such as rainfall attenuation quantities L_u , L_d , deterioration in reception C/N, a propagation time and a frequency of a radio wave for both up-link and down-link. Thus, control information is generated with a small scale circuit and stable control of transmission power is attained.



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